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Título: Characterizing the CARMENES input catalogue of M dwarfs with low-resolution spectroscopy: spectral types, chromospheric activity and metallicity

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Resumen:

In this contribution we summarise our science preparation activities to complete the CARMENES input catalogue of M dwarfs using low-resolution spectroscopy to derive spectral indices sensible to spectral type, gravity and metallicity as well as the level of chromospheric activity. We provide here all this information for 230 stars in addition to the 753 stars already published in Alonso-Floriano et al. (2015). In addition, we have developed a calibration of the M-dwarfs metallicity (Alonso-Floriano et al. 2016) using physical binaries composed of an F-, G- or K-dwarf primary and an M-dwarf secondary that allow us to provide the metallicity for all these M dwarfs.